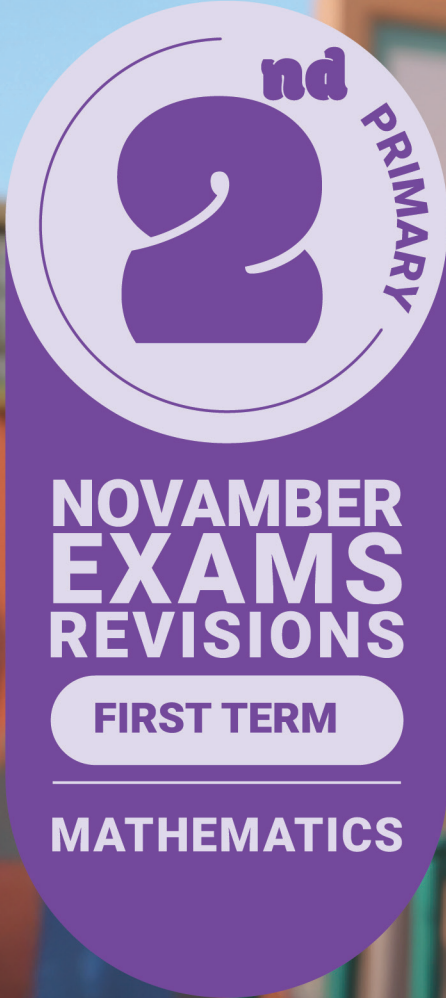




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Model (1)



1 Choose the correct number:

- (a) $13 < \dots$ (12 , 15 , 10)
- (b) $\dots > 7$ (8 , 6 , 5)
- (c) $12 + 9 = 9 + \dots$ (9 , 10 , 12)
- (d) Which of the following numbers has 6 tens and 9 ones? $\dots$
(96 , 69 , 16)
- (e) The sum of the numbers $14 + 24 + 48$ is $\dots$
(68 , 86 , 88)
- (f) The shape that has 4 sides and 4 vertices is called $\dots$
(triangle , quadrilateral , pentagon)

2 Compare using ($>$, $<$ or $=$):

- | | | | | | | | |
|-----|-----|----------------------|-----|-----|-----|----------------------|-----|
| (a) | 321 | <input type="text"/> | 123 | (b) | 98 | <input type="text"/> | 135 |
| (c) | 640 | <input type="text"/> | 614 | (d) | 425 | <input type="text"/> | 524 |
| (e) | 183 | <input type="text"/> | 183 | (f) | 732 | <input type="text"/> | 327 |

3 (A) Arrange the following numbers from the smallest to the greatest:

3 tens , $20 + 6$, 5 tens , 2 tens

The order is: $\dots$, $\dots$, $\dots$, $\dots$

(B) Arrange the following numbers from the greatest to the smallest:

$100 + 50$, 2 hundreds , $300 + 7$, 5 hundreds

The order is: $\dots$, $\dots$, $\dots$, $\dots$



4 Solve the following story problems:

- (a) Azza went to the toy store and bought a doll for **50** pounds and a puzzle for **25** pounds.

What is the total amount she paid?

Total amount = = pounds.

- (b) Sabreen made **48** pieces of cookies, then she ate **35** pieces.

How many pieces of cookies are left?

Cookies left = = cookies.



5 Answer the following:

- (a) Decompose the number **28** into tens and ones.

Answer:

- (b) Reham had **3** red roses, and **7** yellow roses.

How many roses does she have? Use the commutative property to find the result in two ways.

First way = Second way =

- (c) Estimate and find the result of the estimation:

16 + 37 =

Estimation:

- (d) Find the result: **12 + 34 + 29 =**

- (e) **How many sides does the hexagon have?**

Answer: sides.



Model (2)



1 Choose the correct number:

- (a) **124** less than (**114** , **214** , **171**)
- (b) The shape that has **3** sides is (square , rectangle , triangle)
- (c) The number of vertices of a pentagon is (**3** , **4** , **5**)
- (d) If **16 + 8 = 24**, what is the sum of **8 + 16 =** (**25** , **24** , **26**)
- (e) Which of the following numbers has **7** tens and **2** ones? (**27** , **72** , **720**)

2 Circle the number according to the required:

- (a) **Numbers that are smaller than 600:**
536 , **7** hundreds , **400 + 60 + 2** , **600 + 10**
- (b) **Numbers that are greater than 300:**
3 hundreds , **630** , **200 + 40** , **300 + 30 + 7**

3 Draw to complete and decompose the following numbers:

(a) **36**

Tens	Ones

36 = +

(b) **49**

Tens	Ones

49 = +

4 Solve the following story problem:

Marly baked **86** cookies.
Her brother ate **24** of them.

How many cookies are left?

Cookies left = = cookies



5 Answer the following:

- (a) Is the Commutative Property applied in the following addition

$12 + 6 = 16 + 2$?

Answer:

- (b) **21** girls and **35** boys participated in a school trip.

How many students in all participated in this trip?

Number of students =

Answer: students



- (c) **Find the result:**

1 $57 + 7 =$ **2** $84 - 61 =$

3 $25 + 27 =$ **4** $73 + 24 =$

- (d) **Arrange the following numbers from the greatest to the**

smallest: **70** , **$800 + 20 + 3$** , **6 hundreds** , **sixteen**

The order is: / /

- (e) **What is the difference between a square and a rectangle?**

Answer: A square has

but a rectangle has

Model (3)



1 Choose the correct number:

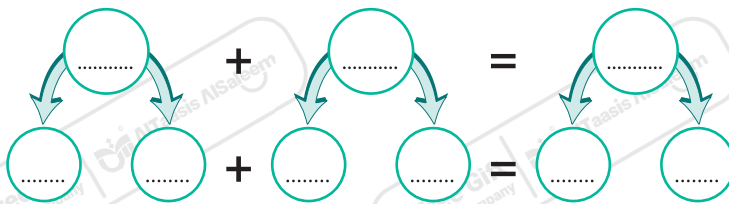
- (a) $45 + 48 =$ (93 , 83 , 38)
- (b) 348 438 (< , = , >)
- (c) $51 + 13$ is about (30 , 50 , 60)
- (d) The number that consists of 6 tens and 0 ones is (6 , 60 , 600)

2 Create four numbers, each consisting of 3 digits using the digits 1, 5, and 4. Then arrange them from least to greatest.

- The numbers are / / /
- The order is: / / /

3 Find the actual sum and estimate the sum using place value estimation, then choose the correct answer:

$45 + 37 =$



Estimation result: ☐ Accepted

- Estimation:
- Sum of ones:
- Sum of tens:
- Result:

☐ Not accepted

4 Solve the following story problem:

If Monir saved 35 L.E. on Thursday and 40 L.E. on Friday,

What is the total amount of money did he save?

The total amount = = L.E.



5 Answer the following:

- (a) Which of the following addition operation requires regrouping the ones?

$32 + 13$

$28 + 34$

$60 + 18$

$77 + 15$

- (b) Solve the following problems:

1 $13 + 8 =$

2 $25 + 34 =$

3 $19 + 21 =$

4 $64 - 32 =$

5 $15 - 9 =$

6 $25 + 6 + 41 + 9 =$

7 $78 - 14 =$

8 $18 + 27 + 15 + 12 =$

- (c) Magdy has 26 balls.

15 are green balls, and the rest are red.

How many red balls does he have?

Number of red balls =

Answer: balls



- (d) Does the Commutative Property apply in the following equation?

$33 + 13 = 13 + 33$

Yes **or** No

- (e) Correct the mistake in each statement:

1 The square has 3 sides of equal length. ()

2 The triangle has 4 vertices. ()

3 The circle has 5 vertices. ()

3 The trapezoid has six sides. ()

Model (4)

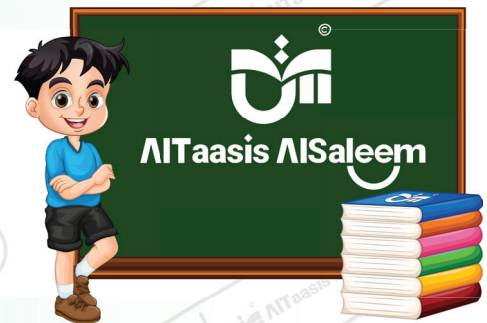


1 Choose the correct number:

- (a) Which is a way to make **35** (**20 + 5** , **50 + 3** , **30 + 5**)
- (b) **6 + 9 = 9 +** (**16** , **9** , **6**)
- (c) **325** **200 + 35** (**>** , **<** , **=**)
- (d) How many sides does this shape have?  (**3** , **4** , **5**)

2 Tick (✓) next to the correct mathematical sentence from the following:

- (a) **71 + 9 = 90** ()
- (b) **35 + 16 = 51** ()
- (c) **22 + 55 = 70** ()



3 Solve the following story problem:

Jayda has **32** chicken and **24** ducks on her farm.

Estimate the total number of birds that she has.



Then, calculate the actual total number of birds and compare your estimate with the actual total.

The total number of birds = + =

Actual total is

The estimation = + =

 + =

Actual total Estimated sum

 ○

4 Solve the following:

Lorina had **56** beads. She used **23** beads to make her bracelet.

How many beads are left?

Remaining beads =

Answer: beads

5 Answer the following:

- (a) **Arrange the following numbers from the smallest to the greatest: 205 , 354 , 166 , 98**

The order is: / /

- (b) **How many tens are in 80?**

Answer:

- (c) **Match:**

69 <

2 + 8 = + 2

15 - 5 =

35 = + 5

8

10

70

30

- (d) A toy shop sold **35** toy cars in the morning and **50** toy cars in the afternoon. **How many toy cars were sold in all?**

Number of toy cars =

Answer: toy cars.

- (e) Draw a quadrilateral (which has **4** sides) that is not a rectangle or a rhombus.

Write the name of this shape.

Show your work

Model (5)



1 Choose the correct number:

(a) Which number is equal to 3 ones and 2 tens?

(1) 32

(2) 23

(3) 13

(4) 12

(b) $16 + 5 = 5 +$

(1) 16

(2) 5

(3) 6

(4) 15

(c) The number of sides of a trapezoid is

(1) 5

(2) 3

(3) 4

(4) 6

(d) $32 + 11$ is about

(1) 50

(2) 30

(3) 40

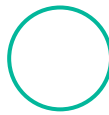
(4) 60

(e) The shape with 0 vertices is

(1)



(2)



(3)



(4)



2 Add or subtract:

$$\begin{array}{r} 82 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 65 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 56 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ - 32 \\ \hline \end{array}$$

3 Solve the following:

There are 19 boys and 18 girls in Grade 2 class.

How many students are in the Grade 2 class?

Total number of students =

Answer: students



4 Find the correct comparison using ($>$, $<$, or $=$):

(a)

$35 - 3$

$30 + 2$

(b)

$28 + 2$

$28 - 2$

(c)

$43 + 12$

$82 - 10$

5 Answer the following:

(a) **Underline the mistake in each statement then write correct answer:**

1 $7 + 6 = 16 + 7$

(.....)

2 $3 + 15 = 5 + 3$

(.....)

3 $19 + 2 = 2 + 17$

(.....)



(b) Rana read **19** pages of her book in the morning and **12** pages in the afternoon. Then she read **10** pages at night.

How many pages did she read today?

Total number of pages =

Answer: pages

(c) **Estimate and find the result of estimation using place value estimation:**

36 + 47 is about Estimation:

(d) **Arrange the following numbers from the greatest to the smallest: 325 , 253 , 532 , 235**

The order is: / / /

(e) **Write the name of the geometric shape that matches each description below:**

1 It has **4** equal sides and **4** vertices.

(.....)

2 It has **6** sides and **6** vertices.

(.....)

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Model Answers

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Model (1)



1 Choose the correct number:

- (a) $13 < \dots$ (12 , 15 , 10)
- (b) $\dots > 7$ (8 , 6 , 5)
- (c) $12 + 9 = 9 + \dots$ (9 , 10 , 12)
- (d) Which of the following numbers has 6 tens and 9 ones? $\dots$ (96 , 69 , 16)
- (e) The sum of the numbers $14 + 24 + 48$ is $\dots$ (68 , 86 , 88)
- (f) The shape that has 4 sides and 4 vertices is called $\dots$
(triangle , quadrilateral , pentagon)

2 Compare using ($>$, $<$ or $=$):

- (a) 321 $>$ 123 (b) 98 $<$ 135
- (c) 640 $>$ 614 (d) 425 $<$ 524
- (e) 183 $=$ 183 (f) 732 $>$ 327

3 (A) Arrange the following numbers from the smallest to the greatest:

3 tens , $20 + 6$, 5 tens , 2 tens

The order is: 2 tens , $20 + 6$, 3 tens , 5 tens

(B) Arrange the following numbers from the greatest to the smallest:

$100 + 50$, 2 hundreds , $300 + 7$, 5 hundreds

The order is: 5 hundreds , $300 + 7$, 2 hundreds , $100 + 50$

4 Solve the following story problems:

- (a) Azza went to the toy store and bought a doll for **50** pounds and a puzzle for **25** pounds.

What is the total amount she paid?

Total amount = **50 + 25 = 75** pounds.

- (b) Sabreen made 48 pieces of cookies, then she ate 35 pieces.

How many pieces of cookies are left?

Cookies left = **48 - 35 = 13** cookies.



5 Answer the following:

- (a) Decompose the number **28** into tens and ones.

Answer: **28 = 20 + 8**

- (b) Reham had **3** red roses, and **7** yellow roses.

How many roses does she have? Use the commutative property to find the result in two ways.

First way = **3 + 7 = 10** Second way = **7 + 3 = 10**

- (c) Estimate and find the result of the estimation:

16 + 37 = 20 + 40 = 60

Estimation: **60**

- (d) Find the result: **(12 + 34) + 29 = 46 + 29 = 75**

- (e) **How many sides does the hexagon have?**

Answer: **6** sides.



Model (2)



1 Choose the correct number:

- (a) **124** less than (**114** , **214** , **171**)
- (b) The shape that has **3** sides is (square , rectangle , **triangle**)
- (c) The number of vertices of a pentagon is (**3** , **4** , **5**)
- (d) If **16 + 8 = 24**, what is the sum of **8 + 16 =** (**25** , **24** , **26**)
- (e) Which of the following numbers has **7** tens and **2** ones? (**27** , **72** , **720**)

2 Circle the number according to the required:

- (a) Numbers that are smaller than 600:
536 , 7 hundreds , **400 + 60 + 2** , 600 + 10
- (b) Numbers that are greater than 300:
3 hundreds , **630** , 200 + 40 , **300 + 30 + 7**

3 Draw to complete and decompose the following numbers:

(a) **36**

Tens	Ones

36 = 30 + 6

(b) **49**

Tens	Ones

49 = 40 + 9

4 Solve the following story problem:

Marly baked **86** cookies.

Her brother ate **24** of them.

How many cookies are left?

Cookies left = **86 - 24 = 62** cookies



5 Answer the following:

- (a) Is the Commutative Property applied in the following addition

$$12 + 6 = 16 + 2 ?$$

Answer: **No**

- (b) **21** girls and **35** boys participated in a school trip.

How many students in all participated in this trip?

Number of students = **21 + 35 = 56**

Answer: **56** students



- (c) **Find the result:**

1	¹ 57	+	7	=	64	2	84	-	61	=	23
3	¹ 25	+	27	=	52	4	73	+	24	=	97

- (d) **Arrange the following numbers from the greatest to the**

smallest: **70** , **800 + 20 + 3** , **6 hundreds** , **sixteen**

The order is: **800 + 20 + 3, 6 hundreds, 70, sixteen**

- (e) **What is the difference between a square and a rectangle?**

Answer: A square has **4 equal sides**,

but a rectangle has **two long sides and two short sides**.

Model (3)



1 Choose the correct number:

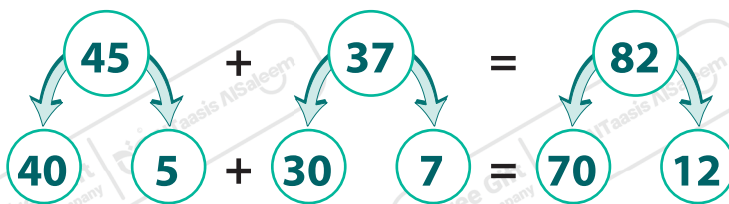
- (a) $45 + 48 =$ (93 , 83 , 38)
- (b) 348 438 (< , = , >)
- (c) $51 + 13$ is about (30 , 50 , 60)
- (d) The number that consists of 6 tens and 0 ones is (6 , 60 , 600)

2 Create four numbers, each consisting of 3 digits using the digits 1, 5, and 4. Then arrange them from least to greatest.

- The numbers are **154, 145, 541, 451**
- The order is: **145, 154, 451, 541**

3 Find the actual sum and estimate the sum using place value estimation, then choose the correct answer:

$45 + 37 = 82$



Estimation result:

☐ Accepted

→ Estimation: $40 + 30 = 70$

→ Sum of ones: $5 + 7 = 12$

→ Sum of tens: $40 + 30 = 70$

→ Result: $12 + 70 = 82$

☒ Not accepted

4 Solve the following story problem:

If Monir saved **35** L.E. on Thursday and **40** L.E. on Friday,

What is the total amount of money did he save?

The total amount = $35 + 40 = 75$ L.E.



5 Answer the following:

- (a) Which of the following addition operation requires regrouping the ones?

$32 + 13$

$28 + 34$

$60 + 18$

$77 + 15$

- (b) Solve the following problems:

1 $13 + 8 = 21$

2 $25 + 34 = 59$

3 $19 + 21 = 40$

4 $64 - 32 = 32$

5 $15 - 9 = 6$

6 $25 + 6 + 41 + 9 = 81$

7 $78 - 14 = 64$

8 $18 + 27 + 15 + 12 = 72$

- (c) Magdy has 26 balls.

15 are green balls, and the rest are red.

How many red balls does he have?

Number of red balls = $26 - 15 = 11$

Answer: **11** red balls



- (d) Does the Commutative Property apply in the following equation?

$33 + 13 = 13 + 33$

Yes **or** No

- (e) Correct the mistake in each statement:

1 The square has 3 sides of equal length. (**4**)

2 The triangle has 4 vertices. (**3**)

3 The circle has 5 vertices. (**0**)

3 The trapezoid has six sides. (**4**)

Model (4)

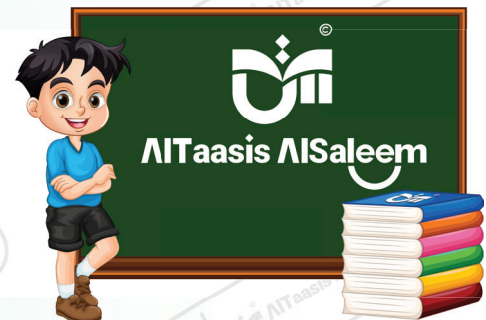


1 Choose the correct number:

- (a) Which is a way to make **35** (**20 + 5** , 50 + 3 , 30 + 5)
- (b) **6 + 9 = 9 +** (**16** , 9 , 6)
- (c) **325** **200 + 35** ($\geq$, $<$, =)
- (d) How many sides does this shape have?  (3 , 4 , 5)

2 Tick (✓) next to the correct mathematical sentence from the following:

- (a) **71 + 9 = 90** (~~X~~)
- (b) **35 + 16 = 51** (✓)
- (c) **22 + 55 = 70** (~~X~~)



3 Solve the following story problem:

Jayda has **32** chicken and **24** ducks on her farm.

Estimate the total number of birds that she has.

Then, calculate the actual total number of birds and compare your estimate with the actual total.

The total number of birds = **32 + 24 = 56**

Actual total is **56**

The estimation =

$$\begin{array}{rcccl}
 & 32 & + & 24 & \\
 & \downarrow & & \downarrow & \\
 \boxed{30} & + & \boxed{20} & = & \boxed{50} \\
 \text{Actual total} & & \text{Estimated sum} & & \\
 \boxed{56} & & & & \boxed{50}
 \end{array}$$

$>$



4 Solve the following:

Lorina had **56** beads. She used **23** beads to make her bracelet.

How many beads are left?

Remaining beads = **56 - 23 = 33**

Answer: **33** beads

5 Answer the following:

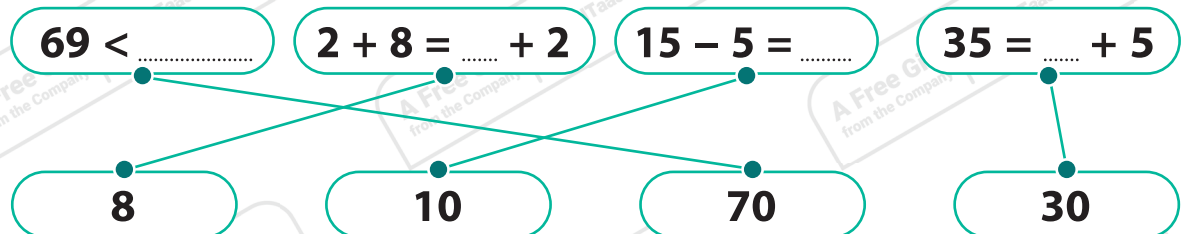
- (a) **Arrange the following numbers from the smallest to the greatest: 205 , 354 , 166 , 98**

The order is: **98, 166, 205, 354**

- (b) **How many tens are in 80?**

Answer: **8 tens**

- (c) **Match:**



- (d) A toy shop sold **35** toy cars in the morning and **50** toy cars in the afternoon. **How many toy cars were sold in all?**

Number of toy cars = **35 + 50 = 85**

Answer: **85** toy cars.

- (e) Draw a quadrilateral (which has **4** sides) that is not a rectangle or a rhombus.

Write the name of this shape.

Show your work



Trapezoid

(Answer may vary)

Model (5)



1 Choose the correct number:

(a) Which number is equal to 3 ones and 2 tens?

(1) 32

(2) 23

(3) 13

(4) 12

(b) $16 + 5 = 5 + \dots$

(1) 16

(2) 5

(3) 6

(4) 15

(c) The number of sides of a trapezoid is

(1) 5

(2) 3

(3) 4

(4) 6

(d) $32 + 11$ is about

(1) 50

(2) 30

(3) 40

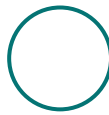
(4) 60

(e) The shape with 0 vertices is

(1)



(2)



(3)



(4)



2 Add or subtract:

①

$$\begin{array}{r} 82 \\ + 8 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 22 \\ + 65 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 89 \\ - 56 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 33 \\ - 2 \\ \hline 31 \end{array}$$

①

$$\begin{array}{r} 43 \\ + 27 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 52 \\ - 32 \\ \hline 20 \end{array}$$

3 Solve the following:

There are 19 boys and 18 girls in Grade 2 class.

How many students are in the Grade 2 class?

Total number of students = $19 + 18 = 37$

Answer: **37** students



4 Find the correct comparison using ($>$, $<$, or $=$):

(a)

$$35 - 3 \quad 30 + 2$$

32

=

32

(b)

$$28 + 2 \quad 28 - 2$$

30

>

26

(c)

$$43 + 12 \quad 82 - 10$$

55

<

72

5 Answer the following:

(a) Underline the mistake in each statement then write correct answer:

1 $7 + 6 = \underline{16} + 7$

(6)

2 $3 + 15 = \underline{5} + 3$

(15)

3 $19 + 2 = 2 + \underline{17}$

(19)



(b) Rana read 19 pages of her book in the morning and 12 pages in the afternoon. Then she read 10 pages at night.

How many pages did she read today?

Total number of pages = $19 + 12 + 10 = 41$

Answer: 41 pages

(c) Estimate and find the result of estimation using place value estimation:

$36 + 47$ is about $30 + 40 = 70$

Estimation: 70

(d) Arrange the following numbers from the greatest to the smallest: 325 , 253 , 532 , 235

The order is: 532, 325, 253, 235

(e) Write the name of the geometric shape that matches each description below:

1 It has 4 equal sides and 4 vertices. (Square or Rhombus)

2 It has 6 sides and 6 vertices. (Hexagon)